

Fertigation Automation

Fertigation is essential for delivering nutrients efficiently to crops through irrigation, improving yield while saving water and labor. Mobitech specializes in easy-to-use systems that integrate seamlessly into existing irrigation setups. Our solutions cater to various crop needs and field conditions, helping farmers increase productivity sustainably. Mobitech combines technology and automation to support farmers in achieving better yields economically and with minimal environmental impact.

Dcon Ag **FRT**

Fertigation Control Unit

The Dcon Ag FRT unit is a slave device designed to wirelessly receive data from the Dcon Ag AIR. It seamlessly connects to the Fertigation controller to enhance irrigation automation.

Features and Benefits

- **Precision Control and Monitoring:** The Dcon Ag FRT unit enables precise monitoring and control of pH and EC levels, ensuring accurate nutrient delivery and uptake for healthier plants and improved yield quality. It supports precise fertilizer management, minimizing waste and enhancing nutrient efficiency.
- **Adaptability and Flexibility:** With a flow range from 250 to 1000 liters per hour (lph), the unit adapts to diverse irrigation needs, optimizing water usage and accommodating varying crop requirements. It offers stable hydraulic operation and rapid EC/pH stabilization, ensuring consistent performance during fertigation cycles.
- **Low-Maintenance and Installation:** Easy to install and virtually maintenance-free, the Dcon Ag FRT unit simplifies operational management without requiring frequent adjustments or component replacements. It offers a hassle-free solution for modern agricultural practices, enhancing productivity and profitability.
- **Efficiency and Sustainability:** Designed for energy efficiency, the unit minimizes power consumption while maximizing resource utilization. It employs a single pump for nutrient mixing and injection, reducing labor, water, and fertilizer costs. Its eco-friendly operation lowers soil contamination levels, supporting sustainable farming practices.
- **Reliability and Performance:** Utilizing robust wireless communication protocols, the Dcon Ag FRT unit delivers reliable data transmission and system performance. Its durable construction withstands harsh agricultural environments, ensuring uninterrupted operation and long-term reliability.
- **Wireless Connectivity and Compatibility:** This unit ensures efficient data reception from the Dcon Ag AIR, optimizing data collection and communication. It effortlessly integrates with various Fertigation controllers, reducing operational complexities and enhancing system versatility.

Specifications

- Input Voltage: 230V AC / 440V AC
- Number of Injectors: Minimum one, maximum 20 (customizable)
- Injector Capacity: 250 to 1000 liters per hour (lph)
- Main Flow Range: 5 to 60 cubic meters per hour (m^3/h)
- Number of Tanks: Customizable based on specific requirements

